CPS-FC204 NOTES 1. A GROUND RETURN SHEET INDEX 1-24-74 SHEET SHEET NO. ISSUE Z. UNLESS DTHERWISE SPECIFIED: RESISTANCE VALUES ORF IN OHRS CONTENTS CAPACITANCE VALUES ARE IN MICROFARACS SHEET INDEX NCL REG VALUES PRECEDED BY THE SYMBOL +(PLF) SYMBOL MANUFACTURING REFERENCES OR - (MINUS : ARE IN VOLTS -3-74 MCL KF6

AS JJR

KTS

LRERFG 5 3. BATTERY AND GROUND TERMINALS FOR USED-ON TABLE THIS CIRCUIT PACK ANE AS FOLLOWS: RECORD OF CHANGES 8-11-75 DWG PREV MFR SEE FUNCTION TERMINAL STD +3 000 110 COMPONENT LIST 2 +24 CIRCUIT SCHEMATIC 218.317 260.203 CIRCUIT DESCRIPTION 3 5 4. HORIZONTAL MOUNTING CENTERS ARE 0.5 INCH. SYMBOL HORIZONTAL DRIVES ELEMENT LOENT TERM, MOO. FUNCT 164 164 HSC 304 HS1 305 HS2 306 164 HS3 307 104 HS4 164 HSS 309 110 HS7 154 HS8 112 164 HS9 113 164 H\$1.0 114 164 COM 106 105 EVERT 3 03 185 204 H1 205 164 H2 206 164 Н3 207 164 208 164 -RS 709 164 ACME: 011 164 012 164 Н8 013 1G4 014 164 H10 015 164 +3 000 154 +3 119 154 +24 218 154 1F4 DES IGN CONTROL GRD 260 1F4 GRD 200 1F4 SUPPORTING INFORMATION NO. 28 ESS Iн SHEET INCEX NOTES WHEN CHANGES ARE MADE IN THIS DRAWING CATEGORY 110. ONLY THOSE SHEETS AFFECTED WILL BE CIRCUIT PACK COOL FC204 THIS SHEET INDEX WILL BE REISSUED AND ISSUE 5BI CONNECTOR ON FRAME 947A OR 947C BROUGHT UP TO DATE EACH TIME ANY SHEET NOTICE - NOT FOR USE OF DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER LATTEN AGREEMENT. OF THE OPAWING IS REISSUED. OR A NEW SHEET IS ADDED. SERIES THE ISSLE NUMBER ASSIGNED TO A CHANGED AT&TCO ACCEPTABLE SERIES OR MEW SHEET WILL BE THE SAME ISSUE STANDARD FC204 CYRCUIT PACK IDENT NUMBER AS THAT OF THE FIRST SHEET. HOR ! ZONTAL DRIVER SHEET! THAT ARE NOT CHANGED WILL RETAIN CURRENT DRAIN: 10.5m8 - +3 55m8 - +24 CIRCUIT THEIR EXISTING ISSUE NUMBER

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THE LAST ISSUE NUMBER OF THE FIRST SHEET

INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE ORAHING AS A HHGLE.

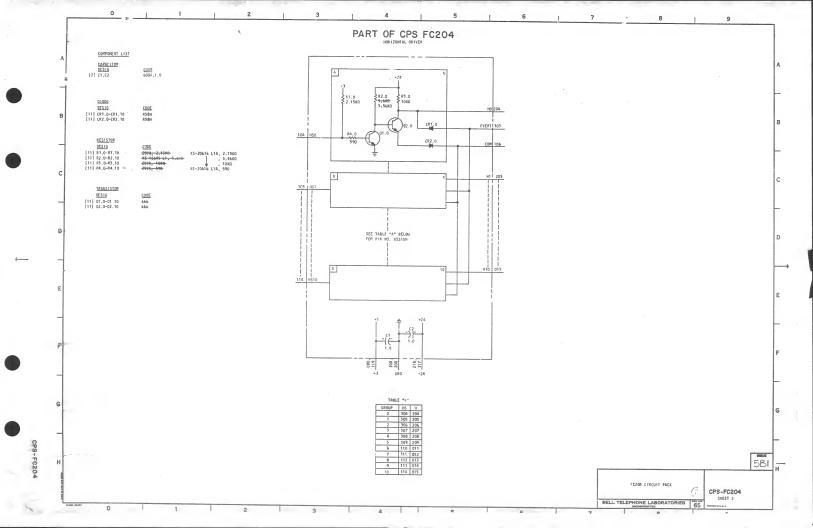
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BELL TELEPHONE LABORATORIES

CPS-FC204

3 SHEETS



PART OF CPS FC 204 HORIZONIAL ORIVER CIRCUIT CIRCUIT DESCRIPTION A. FUNCTION THIS CIRCUIT PACK DRIVES THE HORIZONTAL LEADS OF THE CENTRAL PULSE DISTRIBUTOR (CPD) MATRIX OF THE NO. 28 1/0 CONTROL CIRCUIT. B. DETAILED DESCRIPTION A. DETAILS PREMIETED.

BESTITORS IN HIS PROPERTY FOOD THROUGH HIDD CAN BE GOTHER BY COMPRISING THE HEAVY SHOUTH HIDD CAN BE GOTHER BY COMPRISING THE HEAVY SHOUTH HIDD CAN BE GOTHER BY COMPRISING THE HEAVY SHOUTH HIDD CAN BE GOTHER BY COMPRISING THE HEAVY SHOUTH HIDD CAN BE COMPRISED THE HEAVY SHOUTH HID CAN BE COMPRISED THE HEAVY SHOUTH HIS PLANT HIS CANCERS. THE CANCER THE HEAVY SHOUTH HIS PLANT HIS CANCER SHOUTH HIS PLANT HIS CANCER SHOUTH HIS CANCER SHOUT MAINTENANCE TESTING MENTIFICATION (ESTINO)

THE FYERT LEDD IS USED FOR MAINTEMBLE TESTING. IT CAN SIMULATE THE

EFFECT OF GENERALTHE & CPD PULSE ON THE MORIZONTAL DRIVE CIRCUITS WITHOUT

ALLGAING COMPRENT THROUGH THE CPD MARY. UNDER MORMAL OPTIME THOUGHT

(MON-MAINTEMBLE MODE) DIODE CRI PRETHIS THIS LEED FOR PROTUCING A LOW-IMPEDANCE PATH TO GROUND. SHORT CIRCUITS OR DPEN CIRCUITS IN ANY ONE OF THE TRANSISTORS OR DIDDES SHOULD BE DETECTED DURING NORMAL ERROR CHECKING OR PERIODIC MAINTEHANCE TESTING. FILTERING CAFACITORS C1 AND C2 PROVIDE FILTERING FOR THE +3 AND +24 VOLT POWER SUPPLIES USED ON THIS CIRCUIT PACK. C. SIMBOL/LEAD PNEMONICS MNFHOHIC TYPEX CEFINITION COMMON-CONNECTS "O THE COM(-) LEAD OF THE LEVEL-CONTROL BOARD MY CH PROVIDES POWER FOR THE HORIZONTAL MATRIX SELECTION, FALSE VERTICAL-PROVIDES A VERTICAL SELECTION PATH FOR MAINTENAME LIMICH DOES NOT ACCESS A CPO TRANSFORMER. THIS ALLOWS TESTING OF MORIZONTAL ORIVERS WITHOUT ALLOWING CUPRENT TO FLOW IN THE MATRIX. FVERT HORIZONTAL DRIVER 0 + HORIZOHTAL SELECT D ## HORIZONTAL DRIVER 1 + HORIZONTAL SELECT 1 ** H2 HORIZONTAL DRIVER 2 + HS2 HORIZONTAL SELECT 2 NN Н3 HORIZONTAL ORIVER 3 + нез HORIZONTAL SELECT 3 NX 14.6 HORIZONTAL DRIVER 4 + HSd HOR I ZONTAL SELECT 4 XX HORIZONTAL DRIVER 5 + HORIZONTAL SELECT 5 ** HORIZONTAL DRIVER 6 + HORIZONTAL SELECT 6 ## HORIZONTAL DRIVER 7 + HORIZONTAL SELECT 7 NN HORIZONTAL DRIVER 8 + HS8 HORIZONTAL SELECT 8 MM FORIZONTAL DRIVER 9 + H50 HORIZONTAL SELECT 9 HH H1Q HORIZONTAL DRIVER 10 + HS1D HORI ZONTAL SELECT 10 ## 2U8 - U8 X I - INPUT g - OUTPUT * THE SELECTED ORIVER OUTPUT IS COMMECTED THROUGH A LOW IMPEDANCE TO THE COM LEAD. THE UNSELECTED LEADS WILL BE HE'LD HIGH BY A HIGH-IMPEDANCE PATH TO *24 VOLTS. 5B1 ** SELECTED WHEN LOW FC2D4 CIRCUIT PACK CPS - FC 204 HORIZONTAL DRIVER CIRCUIT SHEET 3 BELL TELEPHONE LABORATORIES

FC

204

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